RYABCHIKOV, Ye.

Sprayer. IUn.tekh. 4 no.3:54-57 Mr '60. (MIRA 13:6)

1. Zaveduyushchiy laboratoriyey promyshlennoy tekhniki TsYUT.
(Spray painting)

RYABCHIKOV, YE.

22632 Utro Aerokluba. [Ocherk]. Ogonek, 1949, No. 29, S. 6-7

SO: Letopis' 30, 1949

RYABCHIKOV, Ye.

As seen by the eye and by the camera. Sov.foto 20 no.10:33-35 O'60.
(MIRA 13:10)

(Photography, Journalistic)

RYABCHIKOV, Yevg.

Chroniclers of glorious deeds. Sov. foto 23 no.4:13-16 Ap '63. (MIRA 16:5)

(Journalism, Pictorial)

RYABCHIKOV, Yevgeniy

Igor' Vasil'evich Kuzchatov. Tekh.mol. 31 no.1:12 '63. (MIRA 16:3)
(Kurchatov, Igor Vasil'evich, 1903-)

RYABCHIKOV, YE. I., LYUBIMOVA, N. B.

Platinum

Complex sulphite compounds of platinum. Izv. Sekt. plat. i blag. met., no. 25, 1950

Monthly List of Russian Accessions, Library of Congress, April 1952. UNCLASSIFIED

RYABCHIKOV, Yo

Volga-Don Canal

Volga meets Don; Vokrug sveta no. 3, 1952.

Monthly List of Russian Accessions, Library of Congress, May 1952. UNCLASSIFIED.

RYABCHIKOV, YE

Volga - Don Canal

Trip through the Volga-Don. Vokrug Sveta no. 5, 1952

Monthly List of Russian Accessions, Library of Congress, July 1952. UNCLASSIFIED.

RYABCHIKOV, YE.

Volga-Don Canal

Trip along the Volga-Don. Vokrug sveta No. 6, 1952.

Monthly List of Russian Accessions, Library of Congress, October 1952. UNCLASSIFIED.

RYABCHIKOV, YEVGENIY

Volga-Don Canal

Meeting of great rivers. Mol. kolkh. No. 7, 1952

Monthly List of Russian Accessions. Library of Congress. November 1952 UNCLASSIFIED

RYABCHIKOV, YE.

Kalach

Port of the TSimlyansk Sea. Ye. Ryabchikov. Vokrug sveta no. 8, 1952.

Monthly List of Russian Accessions, Library of Congress, November 1952. Unclassified.

RYABCHIKOV, E.

Novaya Tsimlyanskaya - Description

Novaya TSimlyanskaya. Vokrug sveta no. 11, 1952

9. Monthly List of Russian Accessions, Library of Congress, May 1953, Uncl.

RYABCHIKOV, YE.

Volga-Don Canal

Great achievement. Mol. kolkh. 19 no. 5, 1952.

Monthly List of Russian Accessions, Library of Congress, August 1952. Unclassified.

RY'SCHIKOV, Yevgeniy

Volga-Don Canal

The people honor the leader. Mol. kolkh. 19 No. 9, 1952.

9. Monthly List of Russian Accessions, Library of Congress, December 195~~3~~2, Uncl.

RYABCHIKOV, YE.

Stalingrad (Province) - Irrigation

Rejuvenation of the land. Vokrug sveta 91 no. 4, 1952.

Monthly List of Russian Accessions, Library of Congress, July 1952 UNCLASSIFIED

1. RYABCHIKOV, Ye.

2. USSR (600)

4. Ust'-Kamenogorsk Hydroelectric Power Station

7. River in the mountains. Vokrug sveta, No. 2, 1953

9. Monthly List of Russian Accessions, Library of Congress, May 1953, Uncl.

RYABCHIKOV YE.

RYABCHIKOV, Ye.; LEBEDEVA, N.G., redaktor; GLEYKH, D.A., tekhnicheskiy redaktor; RIVINA, I.N., tekhnicheskiy redaktor; MAL'CHEVSKIY, G.N., redaktor kart

[Volga-Don Canal; sketch] Volgo-Don; ocherk. Moskva, Gos. izd-vo geograficheskoi lit-ry, 1954. 222 p. (MLRA 7:8)
(Volga-Don Canal)

RYABCHIKOV, Ye.

RYABCHIKOV, Ye.

[illegible]

Awakening of virgin lands. Vokrug sveta no.6:2-7 Je '54. (MLRA 7:6)
(Reclamation of land)

RYABCHIKOV, Ye.

Near the city of Gorkiy. Tekh.mol. 22 no.6:7-11 Je '54. (MLRA 7:6)
(Volga River--Hydroelectric power stations) (Hydroelectric power stations--Volga River) (Frozen ground) (Earthwork)

RYABCHIKOV, Ye.

Iron stream. Tekh.mol. 22 no.7:9-11 Jl '54. (MLRA 7:6)
(Altai Territory--Reclamation of land) (Reclamation of land--Altai Territory)

RYABCHIKOV, Ye.

Road over the Volga. Tekh.mol. 22 no.8:4 Ag '54. (MIRA 7:8)
(Wire-rope transportation) (Kuybyshev Hydroelectric Power Station)

RYABCHIKOV, Yevg.

Happy eyes. Rabotnitsa 35 no.5:13 My '57. (MLRA 10:6)
(Czechoslovakia--Children)

RYABCHIKOV, Yevgeniy Ivanovich, 1909- ; YARTSEV, G., redaktor

[Great threshold; travel sketches] Bol'shoi porog; putevye ocherki. Moskva, Izd-vo "Pravda," 1955. 47 p. (Bib-ka "Ogonek," no. 25)
(Siberia--Description and travel) (MIRA 8:6)

RYABCHIKOV, Ye.

Building seas. Vokrug sveta no.2:2-7 F '55. (MIRA 8:4)
(Hydraulic engineering)

RYABCHIKOV,Ye.

Forty electrical stars. Vokrug sveta no.6:12-13 Je '55.
(MLRA 8:9)

(Hydroelectric power stations)

RYABCHIKOV, Ye.P.; STAKHURSKIY, A.Ye., red.; NOVOSEL'TSEVA, O.N., otv.red.; SOKOLOVA, Ye.V., tekhn.red.

[Model of a self-propelled chassis] Model' samokhodnogo shassi. Moskva, Izd-vo "Detskii mir," 1960. 1 fold. (Prilozhenie k zhurnalu "IUnyi tekhnik," no.1(91))

(MIRA 14:1)

1. TSentral'naya stantsiya yunykh tekhnikov, Moscow.
(Tractors--Models)

RYABCHIKOV, Ye.F.; STAKHURSKIY, A.Ye., red.; ARKHAROVA, L.Ya., otv.red.; SOKOLOVA, Ye.V., tekhn.red.

[Outline railroad model] Konturnaia model' zheleznoi dorogi. Moskva, Izd-vo "Detskii mir," 1961. 1 fold. (Prilozhenie k zhurnalu "IUnyi tekhnik," no.4(94)). (MIRA 14:1)

1. TSentral'naya stantsiya yunykh tekhnikov, Moscow. 2. Zaveduyushchiy laboratoriyey TSentral'noy stantsii yunykh tekhnikov (for Ryabchikov).

(Railroads--Models)

RYABCHIKOV, Yevgeniy Ivanovich; DOBRONRAVOVA, K.O., redaktor; GLEYKH, D.A., tekhnicheskiy redaktor

[The Volga-Don; guide to the V.I.Lenin Volga-Don Canal] Volgo-Don; putevoditel' po Volgo-Donskomu kanalu imeni V.I.Lenina. Moskva, Gos. izd-vo geogr. lit-ry, 1956. 61 p. (MIRA 9:8)
(Volga-Don Canal)

RYABCHIKOV, Yevgeniy Ivanovich; SKONECHNAYA, A.D., red.; POPOV, N.D.,
tekhn. red.

[Marvelous wonders] Divnye divy. Moskva, Izd-vo "Sovetskaia
Rossiia," 1961. 189 p. (MIRA 15:1)
(Russia--Economic policy)

RYABCHIKOV, Yevgeniy Ivanovich; PRAVKIN, G.A., red.; KLYUCHEVA, T.D., tekhn.red.

[The sun is shining on the seven-year plan] Solntse svetit semiletke. Moskva, Izd-vo "Sovetskaia Rossiia," 1960. 86 p. (MIRA 13:6)

(Russia--Economic conditions)

RYABCHIKOV, Yevgeniy Ivanovich; PRAVKIN, G.A., red.; MATVEYEV, A.P., tekhn.red.

[Flames over the Arctic] Plamia nad Arktikoi. Moskva, Sovetskaia Rossiia, 1959. 185 p. (MIRA 12:6)
(Russia, Northern--Description and travel)

RYABCHIKOV, Ye.I.

ANDON'YEV, V.L.; BAUM, V.A.; BAUMGARTEN, N.K.; BEREZIN, V.D.; BIRYUKOV, I.K.; BIRYUKOV, S.M.; BLOKHIN, S.I.; BOROVOY, G.A.; BULEV, M.Z.; BURAKOV, N.A.; VERTSAYZER, B.A.; VOVK, G.M.; VORMAN, B.A.; VOSHCHININ, A.P.; GALAKTIONOV, V.D., kand. tekhn. nauk; GENKIN, Ye.M.; GIL'DENBLAT, Ya.D., kand. tekhn. nauk; GINZBURG, M.M.; GLEBOV, P.S.; GODES, E.G.; GORBACHEV, V.N.; GRZHIB, B.V.; GREKULOV, L.F., kand. s.-kh. nauk; GRODZENSKAYA, I.Ya.; DANILOV, A.G.; DMITRIYEV, I.G.; DMITRIYENKO, Yu.D.; DOBROKHOTOV, D.D.; DUBININ, L.G.; DUNDUKOV, M.D.; ZHOLIK, A.P.; ZENKEVICH, D.K.; ZIMAREV, Ye.V.; ZIMASKOV, S.V.; ZUBRIK, K.M.; KARANOV, I.F.; KNYAZEV, S.N.; KOLEGAYEV, N.M.; KOMAREVSKIY, V.T.; KOSENKO, V.P.; KORENISTOV, D.V.; KOSTROV, I.N.; KOTLYARSKIY, D.M.; KRIVSKIY, M.N.; KUZNETSOV, A.Ya.; LAGAR'KOV, N.I.; LGALOV, V.G.; LIKHACHEV, V.P.; LOGUNOV, P.I.; MATSKEVICH, K.F.; MEL'NICHENKO, K.I.; MENDELEVICH, I.R.; MIKHAYLOV, A.V., kand. tekhn. nauk; MUSIYEVA, R.N.; NATANSON, A.V.; NIKITIN, M.V.; OVES, I.S.; OGUL'NIK, G.R.; OSIPOV, A.D.; OSMER, N.A.; PETROV, V.I.; PERYSHKIN, G.A., prof.; P'YANKOVA, Ye.V.; RAPOPORT, Ya.D.; REMEZOV, N.P.; ROZANOV, M.P., kand. biol. nauk; ROCHEGOV, A.G.; RUBINCHIK, A.M.; RYBCHEVSKIY, V.S.; SADCHIKOV, A.V.; SEMENTSOV, V.A.; SIDENKO, P.M.; SINYAVSKAYA, V.T.; SITAROVA, M.N.; SOSNOVIKOV, K.S.; STAVITSKIY, Ye.A.; STOLYAROV, B.P. [deceased]; SUDZILOVSKIY, A.O.; SYRTSOVA, Ye.D., kand. tekhn. nauk; FILIPPSKIY, V.P.; KHALTURIN, A.D.; TSISHEVSKIY, P.M.; CHERKASOV, M.I.; CHERNYSHEV, A.A.; CHUSOVITIN, N.A.; SHESTOPAL, A.O.; SHEKHTER, P.A.; SHISHKO, G.A.; SHCHERBINA, I.N.; ENGEL', F.F.; YAKOBSON, A.G.; YAKUBOV, P.A., ARKHANGEL'SKIY,

(Continued on next card)

ANDON'YEV, V.L.... (continued) Card 2.

Ye.A., retsenzent, red.; AKHUTIN, A.N., retsenzent, red.; BALASHOV, Yu.S., retsenzent, red.; BARABANOV, V.A., retsenzent, red.; BATUNER, P.D., retsenzent, red.; BORODIN, P.V., kand. tekhn. nauk, retsenzent, red.; VALUTSKIY, I.I., kand. tekhn. nauk, retsenzent, red.; GRIGOR'YEV, V.M., kand. tekhn. nauk, retsenzent, red.; GUBIN, M.F., retsenzent, red.; GUDAYEV, I.N., retsenzent, red.; YERMOLOV, A.I., kand. tekhn. nauk, retsenzent, red.; KARAULOV, B.F., retsenzent, red.; KRITSKIY, S.N., doktor tekhn. nauk, retsenzent, red.; LIKIN, V.V., retsenzent, red.; LUKIN, V.V., retsenzent, red.; LUSKIN, Z.D., retsenzent, red.; MATRIROSOV, A.Kh., retsenzent, red.; MENDELEYEV, D.M., retsenzent, red.; MERKEL', M.F., doktor tekhn. nauk, retsenzent, red.; OBREZKOV, S.S., retsenzent, red.; PETRASHEN', P.N., retsenzent, red.; POLYAKOV, L.M., retsenzent, red.; RUMYANTSEV, A.M., retsenzent, red.; RYABCHIKOV, Ye.I., retsenzent, red.; STASENKOV, N.G., retsenzent, red.; TAKANAYEV, P.F., retsenzent, red.; TARANOVSKIY, S.V., prof., doktor tekhn. nauk, retsenzent, red.; TIZDEL', R.R., retsenzent, red.; FEDOROV, Ye.M., retsenzent, red.; SHEVYAKOV, M.N., retsenzent, red.; SHMAKOV, M.I., retsenzent, red.; ZHUK, S.Ya. [deceased], akademik, glavnyy red.; FLISO, G.A., kand. tekhn. nauk, red.; FILIMONOV, N.A., red.; VOLKOV, L.N., red.; GRISHIN, M.M., red.; ZHURIN, V.D., prof., doktor tekhn. nauk, red.; KOSTROV, I.N., red.; LIKHACHEV, V.P., red.; MEDVEDEV, V.M., kand. tekhn. nauk, red.; MIKHAYLOV, A.V., kand. tekhn. nauk, red.; PETROV, G.D., red.; RAZIN, N.V., red.; SOBOLEV, V.P., red.; FERINGER, B.P., red.; FREYGOFER,

(Continued on next card)

ANDON'YEV, V.L.... (continued) Card 3.
Ye.F., red.; TSYPLAKOV, V.D. [deceased], red.; KORABLINOV, P.N., tekhn. red.; GENKIN, Ye.M., tekhn. red.; KACHEROVSKIY, N.V., tekhn. red.

[Volga-Don; technical account of the construction of the V.I. Lenin Volga-Don Navigation Canal, the TSimlyansk Hydroelectric Center, and irrigation systems] Volgo-Don; tekhnicheskii otchet o stroitel'stve Volgo-Donskogo sudokhodnogo kanala imeni V.I. Lenina, TSimlianskogo gidrouzla i orositel'nykh sooruzhenii, 1949-1952; v piati tomakh. Moskva, Gos. energ. izd-vo. Vol.1. [General structural descriptions] Obshchee opisanie sooruzhenii. Glav. red. S.IA. Zhuk. Red. toma M.M. Grishin. 1957. 319 p. Vol.2. [Organization of construction. Specialized operations in hydraulic engineering] Organizatsiia stroitel'stva. Spetsial'nye gidrotekhnicheskie raboty.

(Continued on next card)

ANDON'YEV, V.[illegible].... (continued) Card 4.
Glav. red. S. IA. Zhuk. Red. toma I.N. Kostrov. 1958. 319 p.
(MIRA 11:9)

1. Russia (1923- U.S.S.R.) Ministerstvo elektrostantsii. Byuro tekhnicheskogo otcheta o stroitel'stve Volgo-Dona. 2. Chlen-korrespondent Akademii nauk SSSR (for Akhutin). 3. Deystvitel'nyy chlen Akademii stroitel'stva i arkhitektury SSSR (for Grishin, Razin).

(Volga Don Canal--Hydraulic engineering)

RYABCHIKOV, Yevgeniy Ivanovich; SEKUNDOV, N., redaktor

[Land of mysteries] Zemlia tain. Moskva, Izd-vo "Pravda," 1957.
47 p. (Biblioteka "Ogonek," no.35) (MIRA 10:8)
(Antarctic regions)

RYABCHIKOV, YEVGENIY IVANOVICH

RYABCHIKOV, YEVGENIY IVANOVICH, and S. SHUL'MAN.

Gromov; ocherk o geroe Sovetskogo soiuza. Izd. 2., perer. i dop. Moskva, Molodaia gvardiia, 1937. 107 p., illus., ports.

Title tr.: Gromov; a sketch of the Hero of the Soviet Union.

TL540.G757R5 1937

SO: Aeronautical Sciences and Aviation in the Soviet Union, Library of Congress, 1955.

RYABCHIKOV, YEVGENIY I.

PHASE I BOOK EXPLOITATION 418

Ryabchikov, Yevgeniy Ivanovich

Tak idut k zvezdam (The Way to the Stars) Moscow, Izd-vo "Sovetskaya Rossiya", 1957. 85 p. 50,000 copies printed.

Science Ed.: Fedorov, Ye. K., Corresponding Member of the USSR Academy of Sciences. Ed.: Berenson, Yu. E.; Tech. Ed.: Fiveg, G. M.

PURPOSE: The booklet is a popular account of the development of rocketry, satellites, etc., addressed to a large audience.

COVERAGE: The booklet contains a brief account of Tsiolkovskiy's life and discusses this "prophet's message" on astronomy and future space travel. The early history of rocketry up to 1903 is given. The development of Russian aviation is described and a great number of aircraft designers and pilots are mentioned. Modern rockets used for geophysical measurements and developed more or less on the basis of the German V-2 are described. A section deals with dog-carrying rockets and tests made at various altitudes. Soviet progress before the launching of Sputnik I and the sudden change in

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world opinion concerning Soviet scientific achievements after this event are commented on. The launching of Sputnik II is described and a comparison of the two satellites is made. A description is given of the celebration in Moscow on November 7, 1957 of the 40th Anniversary of the Revolution. The speeches delivered are mentioned and the booklet closes with an expression of confidence in further rapid scientific progress.

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Storming the cosmos 29

Dogs as space travelers 32

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A glimpse of the future

AVAILABLE: Library of Congress

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RYABCHIKOV, Yevgeniy Ivanovich; FEDOROV, Ye.K., nauchnyy red.; KASSEL',
I.M., otv.red.; BORISOVA, V.K., tekhn.red.

[Pennants on the moon] Vympely na lune. Red.E.K.Fedorov.
Moskva, Gos.izd-vo detskoi lit-ry M-va prosv.RSFSR, 1960. 93 p.
(MIRA 14:1)

1. Chlen-korrespondent Akademii nauk SSSR (for Fedorov).
(Rocket research) (Artificial satellites)
(Lunar probes)

RYABCHIKOV, Yevgeniy Ivanovich; KALAKUTSKAYA, M.M., otv. red.; GOLUBEVA,
V.A., tekhn. red.

[Pilot of the stellar ship] Pilot zvezdnogo korablia. Moskva, Gos.
izd-vo detskoi lit-ry M-va prosv.RSFSR, 1961. 46 p.
(MIRA 14:12)

(Astronautics)

RYABCHIKOV, Yevgeniy

Winged people. Starsh.-serzh. no.8:1-2 Ag '62. (MIRA 15:8)
(Aeronautics)

RYABCHIKOV, Yevgeniy

Will to win. Av.i kosm. 44 no.4:10-19 '62. (MIRA 15:4)
(Space flight training)

L 44152-65 EPF(c)/EPF(n)-2/EPR/EWG(j)/EPA(s)-2/EPA(w)-2/EWA(h)/EWP(j)/EWT(m)
EWP(i)/EWP(b)/T/EWA(l)/EWP(e) Pc-4/Pr-4/Ps-4/Pt-7/Pu-4/Pab-10 Pob WW/
GG/RM/WH

ACCESSION NR: AP5012099 UR/0191/65/000/005/0003/0004 77

AUTHOR: Bessonov, A. I.; Vitushkin, N. I.; Glazunov, P. Ya.; Karapetyan, Sh. A.; Parfanovich, B. N.; Ryabchikova, G. G.; Yakubovich, A. A. 73 B 7

TITLE: Unit for gas-phase radiation-induced graft polymerization

SOURCE: Plasticheskiye massy, no. 5, 1965, 3-4

TOPIC TAGS: graft polymerization, gas phase graft polymerization, radiation induced graft polymerization

ABSTRACT: A pilot-plant unit has been built for producing various graft polymerization products (combining the advantages of the constituents) by the technique of gas-phase radiation-induced graft polymerization in quantities sufficient for technical testing. The unit is suitable for grafting polymer molecules to the surface of mineral powders and synthetic and mineral fibers, fabrics, and films by irradiating them with fast electrons in an atmosphere of gaseous monomer and inert gas. The unit is designed to operate either 1) with monomers whose boiling point is above room temperature (Fig. 1 of the Enclosure) or 2) with monomers which are normally gaseous. In the

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ACCESSION NR: AP5012099

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first case, to prevent monomer vapor condenstion in the reactor and the pipe, the liquid monomer temperature in the feed tank is always maintained 30—50C below the working gas temperature. In the second case, the gaseous monomer is fed directly from a pressure cylinder. Two reactor types are available: one specifically designed for fibers, films, and fabrics, and the other, for powders. The experimental results shown in Table 1 of the Enclosure were in good agreement with results obtained in glass ampuls, indicating the feasibility and expediency of the scale-up of this process to full-scale plant equipment. "The authors express their appreciation to B. L. Tsetlin for participating in the discussion of the project and for valuable advice during startup, and to N. V. Mikhaylov, L. G. Tokareva, and Ye. V. Yegorov for valuable advice on design problems. Orig. art. has: 1 figure and 1 table. [SM]

ASSOCIATION: none

SUBMITTED: 00 ENCL: 02 SUB CODE: OC, GC

NO REF SOV: 005 OTHER: 000 ATD PRESS: 3246

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ACCESSION NR: AP5012099 ENCLOSURE: 01

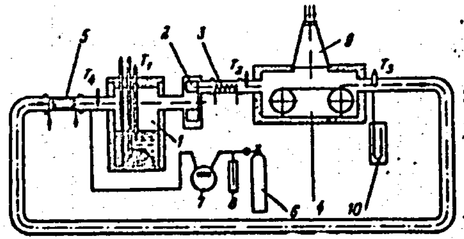

Fig. 1. Gas-phase radiation-induced graft polymerization pilot-plant unit

1 - Feed tank; 2 - circulating fan; 3 - heater; 4 - reactor; 5 - cooler; 6 - nitrogen cylinder; 7 - gas meter; 8 - manostat; 9 - protective shield; 10 - manometer; T_1—T_4 - thermocouples.

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ACCESSION NR: AP5012099 ENCLOSURE: 02

Table 1. Experimental results for gas-phase radiation-induced graft polymerization in a pilot-plant unit

System studied		Experimental conditions					Am't of graft polymer formed, %
Substrate	Monomer	Current density, μamp/cm²	Dose, Mrad	Reaction temp., °C	Feed tank temp., °C	Vapor pressure, mm Hg	
Capron* fabric	acrylonitrile	0.1	11	75	43	240	17
same	α-vinylpyridine	0.1	10	95	65	50	34
Lavsan** fabric	acrylonitrile	0.1	7	75	43	240	5
SiO_2	styrene	0.1	20	120	65	50	10

*[Polycaprolactum]

**[Poly(ethylene terephthalate)]

B3B -

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L 62081-65 EPF(c)/EIF(n)-2/EPR/EWG(j)/EWA(h)/EWP(j)/EWT(m)/EWA(1) Pc-4/Pr-4/
ACCESSION NR: AP5016840 Ps-4/Pu-4/Peb GG/WW/RM UR/0204/65/005/003/0363/0367
665.521.2:541.15:542.92 48

46

AUTHORS: Polak, L. S.; Glazunov, P. Ya.; Glushnev, V. Ye.; Ryabchikova, G. G.

B

TITLE: Radiative-thermal cracking of low octane straight-run distillation benzene in a uniform temperature field

SOURCE: Neftekhimiya, v. 5, no. 3, 1965, 363-367

TOPIC TAGS: benzene, distillation, reactor, radiation effect, thermal decomposition

ABSTRACT: The present work is a continuation of an earlier investigation. The present experiments were conducted with an improved electron source reactor in which a uniform temperature field could be established. Low-octane straight-run distillation benzene (with the end of boiling at 140C) was cracked at 500, 550, and 600C at the pump-through-velocity of 150 ml/hour in the reactor shown schematically. Yield and composition of the thermal and radiation-thermal cracking products of the same benzene in the reactors with and without a uniform temperature field were tabulated for comparison. The relation of the gaseous products yield (in both procedures) to temperature is shown in Fig. 1 on the Enclosure. The relation of the benzene conversion intensity to temperature and the velocity of crude feeding are also shown

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L 62081-65

ACCESSION NR: AP5016040

2

graphically. The effective activation energies of the thermal and radiation-thermal processes were found to be 60 and 24 kcal/mol. Orig. art. has: 2 tables and 5 figures.

ASSOCIATION: Institut neftekhimicheskogo sinteza im. A. V. Topchiyeva AN SSSR (Institute of Petrochemical Synthesis, AN SSSR); Institut fizicheskoy khimii AN SSSR (Institute of Physical Chemistry, AN SSSR)

SUBMITTED: 04Jul64

ENCL: 01

SUB CODE: OC, GC

NO REF SOV: 003

OTHER: 001

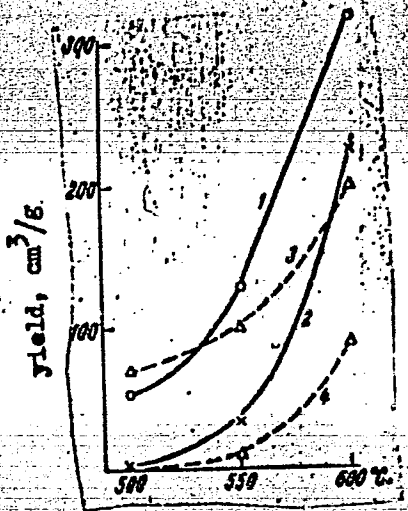
Card 2/3

L 62081-65

ACCESSION NR: AP5016840

ENCLOSURE: 01

Fig. 1. The relation between the yield of gaseous products in thermal and radiation-thermal cracking of the straight-run distillation benzene with the boiling end at 140C to temperature. 1- radiation-thermal cracking in the reactor with a uniform temperature field; 2- thermal cracking in the same reactor; 3- radiation-thermal cracking in the reactor with nonuniform temperature field; 4- thermal cracking in the same reactor



Card 3/3

PIKAYEV, A.K.; SIBIRSKAYA, G.K.; RYABCHIKOVA, G.G.; GLAZUNOV, P.Ya.

Mechanism of hydrogen peroxide formation in a o,4 M aqueous solution of sulfuric acid at high dose rate of absorpticn. Kin. i kat. 6 no.1:41-47 Ja-F '65. (MIRA 18:6)

1. Institut fizicheskoy khimii AN SSSR.

YERSHOV, B.G.; PIKAYEV, A.K.; RYABCHIKOVA, G.G.; SPITSYN, Vikt.I., akademik

Mechanism underlying the radiolysis of dilute aqueous nitrate solutions. Dokl. AN SSSR 159 no.6:1357-1360 D '64 (MIRA 18:1)

1. Institut fizicheskoy khimii AN SSSR.

SPITSYN, Vikt. I.; RYABCHIKOVA, G.G.; POLAK, L.S.; GLAZUNOV, P.Ya.;
YAKUBOVICH, A.A.

Radiation- thermal cracking of propane. Neftekhimiia 3 no.4:615-619 Jl-Ag '63. (MIRA 16:11)

1. Institut fizicheskoy khimii AN SSSR i Institut neftekhimicheskogo sinteza AN SSSR imeni A.V. Topchiyeva.

L 15478-63 EPF(c)/EWT(m)/BDS AFFTC/ASD/APGC Pr-4 RM/BW/WW/MN

ACCESSION NR: AP3005459 S/0204/63/003/004/0615/0619 69

AUTHORS: Spitsy*n, Vikt. I.; Ryabchikova, G. G.; Polak, L. S.; 61
Glazunov, P. Ya.; Yakubovich, A. A.

TITLE: Thermo-radiation cracking of propane 1

SOURCE: Neftekhimiya, v. 3, no. 4, 1963, 615-619

TOPIC TAGS: propane cracking, thermo-radiation cracking, propane, thermal cracking, ionized irradiation

ABSTRACT: Authors studied thermo-radiation cracking 19 of propane, which is a much lighter hydrocarbon and which is used as an industrial raw material. The experiments were conducted at temperatures between 500 and 700C. Propane gives a fairly good conversion and a comparatively simple composition of gaseous products when an intensive radiation dose is applied during the thermal-radiation process, as well as during thermal cracking. The results of thermo-radiation cracking of propane and their comparison to thermal cracking under the same conditions are presented. The yields of H_2, CH_4, C_2H_4 and C_3H_6 as a

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L 15478-63

ACCESSION NR: AP3005459 2

function of temperature are also given. The activation energy of the propane thermo-radiation cracking process is close to the activation energy of the chain propagation during thermal cracking. The application of ionized irradiation for the initiation of chain reaction permits the carrying-out of the propane cracking process at temperatures which are 100C below ordinary thermal cracking and with good conversion. The experimental and chemical yields under the conducted experimental conditions were approximately 10^3 molecules per 100 ev. Orig. art. has: 5 figures and 3 tables.

ASSOCIATION: Institut fizicheskoy khimii AN SSSR (Institute of physical chemistry, AN SSSR), Institut neftekhimicheskogo sinteza AN SSSR im. A. V. Topchiyeva (Institute of petrochemical synthesis, AN SSSR)

SUBMITTED: 19Dec62	DATE ACQ: 06Sep63	ENCL: 00
SUB CODE: CH	NO REF SOV: 004	OTHER: 002

Card 2/2

CHERNENKO, L.Ye.; RYABCHIKOVA, G.G.

Study of the jelling capacity of agar and pectin. Izv.vys.ucheb.
zav.pishch.tekh. no.4:25-29 '58. (MIRA 11:11)

1. Moskovskiy tekhnologicheskiy institut pishchevoy promyshlennosti,
Kafedra neorganicheskoy khimii.
(Agar) (Pectin)

TOPCHIYEV, A.V.; POLAK, L.S.; GLUSHNEV, V.Ye.; POPOV, V.T.; TIMOFEYEV, V.D.;
GLAZUNOV, P.Ya.; RYABCHIKOVA, G.G.

Radiation-induced and thermal cracking of petroleum hydrocarbons.
Neftekhimiia 2 no.2:196-210 Mr-Ap '62. (MIRA 15:6:

1. Institut neftekhimicheskogo sinteza AN SSSR i Institut fizicheskoy khimii AN SSSR.

(Cracking process) (Hydrocarbons)

S/844/62/000/000/051/129
D287/D307

AUTHORS: Spitsyn, V. I., Vereshchinskiy, I. V., Glazunov, P. Ya., Ryabchikova, G. G. and Sibirskaya, G. K.

TITLE: High-temperature radiolysis of propane

SOURCE: Trudy II Vsesoyuznogo soveshchaniya po radiatsionnoy khimii. Ed. by L. S. Polak. Moscow, Izd-vo AN SSSR, 1962, 308-311

TEXT: Preliminary results are given of the effects of temperature on the radiolysis of propane-ethane mixtures. The purified propane-ethane mixture, prepared in the Institut ispol'zovaniya gazov AN USSR (Institute for the Utilization of Gases, AS UkrSSR), freed of CH_4, olefins and C_4 hydrocarbons, and containing 98% propane at normal pressure, was irradiated with an optimum dosage of a few units x 10^{15} ev/cm^3sec, the temperature being maintained with an accuracy of ± 4°C. The radiolysis products (up to C_6 hydrocarbons) were analyzed in a chromothermograph XT-2M (KhT-2M); the weight of

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the samples was 0.25 - 1 ml. The yields were found to increase slightly at 450°C and rapidly thereafter. Only temperatures of up to 600°C were investigated as thermal cracking occurs at higher temperatures (38% at 550°C, 46% at 600°C). Principal products obtained during radiolysis were: H_2, ethylene and propylene, but no CH_4 at 500°C; the CH_4 content increased rapidly at higher temperatures. At 600°C the following reaction products were obtained: 22% H_2, 29.5% CH_4, 48.5% C_2H_4 + C_3H_6 which is approximately the same the products obtained during thermal cracking at 650°C. Investigations on the relationship between the percentage composition of the composition and the time of irradiation at 500°C showed that the products are: H_2 (180 mol/100 ev), ethylene (160 mol/100 ev) and propylene (135 mol/100 ev). The activation energy for the formation of hydrogen, ethylene and propylene was calculated to be 16 kcal/mole, i.e. it is approximately equal to that required for thermal cracking. The radiolysis of propane-ethane mixtures proceeds by a chain reaction. There are 4 figures.

ASSOCIATION: Institut fizicheskoy khimii, AN SSSR (Institute of Physical Chemistry, AS USSR)

RYABCHIKOVA, G. G.

4

43234

S/844/62/000/000/050/129
D287/D307

AUTHORS: Topchiyev, A. V., Vereshchinskiy, I. V., Glazunov, P. Ya., Glushnev, V. Ye., Polak, L. S., Ryabchikova, G. G., Sibirskaya, G. K., Timofeyev, V. D. and Chernyak, N. Ya.

TITLE: Thermal cracking of hydrocarbons induced by irradiation

SOURCE: Trudy II Vsesoyuznogo soveshchaniya po radiatsionnoy khimii. Ed. by L. S. Polak. Moscow, Izd-vo AN SSSR, 1962, 304-307

TEXT: The effect of irradiation on thermal cracking of heptane at thermal cracking temperatures was studied. The experiments were carried out in a countercurrent reactor, at constant throughput of the gas, using irradiation dosages of 7×10^{15} ev/sec/1 cm^3 heptane. The rate of formation of gaseous products during radiation-induced and ordinary thermal cracking at 400 - 600°C was influenced by the reaction temperature. At temperatures above 550°C the relationship between the yield of products obtained by radiation and those obtained by ordinary thermal cracking was in a 4:1 ratio and radia-

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4

Thermal cracking of ...

S/844/62/000/000/050/129
D287/D307

tion-induced processes could therefore be carried out at much lower temperatures (150 - 220°C) than ordinary thermal cracking processes (550 - 600°C). Activation energy requirements also compared favorably (21 kcal/mole as against ~60 kcal/mole for thermal cracking). The yield of gaseous and liquid unsaturated compounds increased sharply with temperature and reached ~15,000 mol/100 ev at ~600°C. At temperatures ~800°C the radiation yield became lower. The yield of unsaturated compounds increased sharply with temperature and reached 80% (as against 50 - 55% during ordinary thermal cracking). Optimum conditions for the above process were high dosage irradiation and short contact times. There are 3 figures.

X

ASSOCIATION: Institut neftekhimicheskogo sinteza, AN SSSR (Institute of Petrochemical Synthesis, AS USSR); Institut fizicheskoy khimii, AN SSSR (Institute of Physical Chemistry, AS USSR)

Card 2/2

S/081/62/000/004/007/087
B149/B101

AUTHORS: Ryabchikova G. G., Duzhenkov V. I., Glazunov P. Ya.

TITLE: Action of a fast electron beam on aqueous solutions of silver compounds

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 4, 1962, 73, abstract 4B511 (Tr. Tashkentsk. konferentsii po mirn. ispol'zovaniyu atomn. energii, v. 1. 1959. Tashkent, AN UzSSR, 1961, 361-364)

TEXT: The radiolysis of aqueous solutions of $AgNO_3$ by the action of 800 kev electrons at 8 μa maximal current was studied. The Ag^+ ion is reduced and a grayish precipitate is formed. G(Ag) is 0.55; 3.7 and 5.95 atoms Ag corresponding to 0.1; 0.5 and 1.0 M solutions respectively. The concentrations of nitrite ions and of H_2O_2 were measured. The study of the dependence of Ag yield on the dose rate shows only a slight increase in G(Ag) when the dose is changed from 10^{17} to 10^{22} ev/ml·sec.

Card 1/2

Action of a fast electron beam on ... S/081/62/000/004/007/087
B149/B101

The possibility of the utilization of silver from fixer wastes was also investigated. The solutions were irradiated with a 6 Mev electron beam (from an emerging betatron beam); the dose rate was $3.5\cdot10^{15}$ ev/ml·sec. Radiolysis causes precipitation of silver sulfide with traces of metallic silver. $G(Ag_2S)$ is 5.5. The complete separation of silver occurs when a dose of $1.5\cdot10^{21}$ ev/ml is absorbed. [Abstracter's note: Complete translation.]

Card 2/2

RYABCHIKOVA, G.G.; SIBIRSKAYA, G.K.; GLAZUNOV, P.Ya.; GRACHEV, A.I.

Apparatus for selecting gas samples during chromatographic analysis.
Zav.lab. 29 no.2:244 '63. (MIRA 16:5)

1. Institut fizicheskoy khimii AN SSSR.
(Gas chromatography)

RYABCHIKOVA, G.G.; SIBIRSKAYA, G.K.; GLAZUNOV, P.Ya.; GRACHEV, A.I.

Semiautomatic proportioning device for gas chromatography. Zav.lab. 29 no.2:243-244 '63. (MIRA 16:5)

1. Institut fizicheskoy khimii AN SSSR.
(Gas chromatography) (Proportioning equipment)

84769

S/042/60/015/003/012/016XX
C111/C222

16,5600

AUTHOR: Ryabchikova, I.Ya.

TITLE: Infinitesimal Bends of Surfaces in the Lobachevskiy Space 16

PERIODICAL: Uspekhi matematicheskikh nauk, 1960, Vol.15, No.3, pp.173-176

TEXT: The author proves the theorem:
Theorem 1: If the infinitesimal bends of the surface F - considered as a surface of the Euclidean space - are known, then also the infinitesimal bends of the surface F can be determined as a surface of the Lobachevskiy space. Here to the non-trivial infinitesimal bends of the surface F as a surface of an Euclidean space there correspond the non-trivial infinitesimal bends of F as a surface of the Lobachevskiy space.
The theorem is used in order to transfer theorems on infinitesimal bends of surfaces in the Euclidean space to the case of the Lobachevskiy space.
Theorem 2: A closed convex regular surface without plane regions in the Lobachevskiy space is rigid.
Theorem 3: For surfaces of second order, all infinitesimal bends in a finite form can be determined.
Theorem 4: If the infinitesimal bends of F are known, then also those of F'

Card 1/2

84769

S/042/60/015/003/012/016XX
C111/C222

Infinitesimal Bends of Surfaces in the Lobachevskiy Space

can be determined, where F' arises from F by a projective transformation. Here to the non-trivial infinitesimal bends there again correspond non-trivial infinitesimal bends.
There are 3 references: 1 Soviet, 1 German and 1 French.

SUBMITTED: March 18, 1957

Card 2/2

RYABCHIKOVA, I. YA.

Ryabchikova, I. Ya.

"Infinitely small bends of planes in Lobachevskiy space." Min Higher Education Ukrainian SSR. Khar'kov Order of Labor Red Banner State U imeni A. M. Gor'kiy. Chari of Geometry. Khar'kov, 1956 (Dissertation for the degree of Candidate in Physicomathematical Science)

Knizhnaya letopis'
No. 25, 1956. Moscow

RYABCHIKOVA, I. Ya.

Infinitesimal bends of surfaces in Lobachevskii space. Usp. mat.nauk 15 no.3:173-176 My-Je '60. (MIRA 13:10)
(Spaces, Generalized)

S/133/61/000/012/006/006
A054/A127

Preliminary parkerizing of wires prior to ....

cess amount of free acidity, which would deteriorate the quality of coating. The best results were obtained by adding zinc nitrate (20 g/l) to the phosphate solution. This increases the general acidity of the solution from 13.8 to 25 and accelerates the process particularly for low concentrations and results in a phosphate coating three times thicker than the standard coating. When applying zinc phosphate with a concentration of 4 or 6% and adding zinc oxide and zinc nitrate, parkerizing is effected rapidly at 70 - 80°C, keeping the wire in the bath for 20 sec. The weight of coating will be about 3.5 g/m^2. The addition of 100 g/l sodium nitrate also accelerates the process. Zinc oxide and zinc nitrate should be used in combination: the former to decrease the free acidity of the solution somewhat, while the latter is applied to raise the general acidity of the bath. In the continuous wire drawing process parkerizing is carried out after pickling in 18 - 20-% sulfuric acid with maximum 5% $FeSO_4$ at 70 - 80°C and washing in water. The phosphate bath should have an acidity of 35 - 60 and a free acidity of 3 - 6, a temperature of 70 - 80°C. A zinc-phosphate concentrate (heated to 70°C) containing $NaNO_3$ has to be added to the bath. The entire process is completed by washing in running water and dipping in a 2 - 3% soapy solution (at 50 - 60°C) or by liming. The last phase of the process is drying at 150 - 200°C. The wire prepared in this way is then fed

Card 2/3

LADYZHENSKAYA, F.M.; RYABCHIKOVA, O.A.; FUDIM, L.I.; CHECHETKINA, Zh.A.;
LAPSHIN, L.Ya.

Assembly line preparation of wire for drawing with phosphate coating. Stal' 21 no.12:1129-1132 D '61. (MIRA 14:12)

1. Nauchno-issledovatel'skiy institut metiznoy promyshlennosti i Magnitogorskiy kalibrovochnyy zavod.
(Wire drawing)
(Phosphate coating)

FOMIN, G.M.; KHROMOV, P.I.; RYABCHIKOVA, O.A.; REVZINA, F.S.;
YEGOROV, V.D.

New wire rope construction for skip hoisters on blast furnaces of the Magnitogorsk Metallurgical Combine. Metallurg 6 no.10:31-33 O '61. (MIRA 14:9)

1. Magnitogorskiy kalibrovochnyy zavod i Nauchno-issledovatel'skiy institut metiznoy promyshelnnosti.
(Magnitogorsk--Blast furnaces--Equipment and supplies)
(Wire rope)

S/137/62/000/005/065/150
A006/A101

1.1100

AUTHORS: Tarnavskiy, A. L., Ryabchikova, O. A., Revzina, F. S.

TITLE: Cold broaching of shaped wire through profiled non-driving rolls

PERIODICAL: Referativnyy zhurnal, Metallurgiya, no. 5, 1962, 36, abstract 5D20 ("Tr. Konferentsii po metizn. proiz-vu, 1959", Chelyabinsk, 1961, 132-136)

TEXT: The technique is analyzed of manufacturing Z-shaped wire. The advantages of the suggested method are described. The initially developed grooving (schematic drawing presented) showed a number of deficiencies. Therefore, a new grooving system is now being developed. The wire produced according to the new technique offers a higher quality. It is absolutely free of martensite areas, external and internal cracks. Its structure is sorbite with a thin ferrite network. The grains are of normal size. Data are given on the production costs of the wire, manufactured by the conventional and the new technique.

N. Yudina

[Abstracter's note: Complete translation]

B

Card 1/1

LADYZHENSKAYA, F.M.; RYABCHIKOVA, O.A.; FUDIM, L.I.; CHETVERTKOVA, V.A.;
LAPSHIN, L.Ya.

Phosphatizing in the cold upsetting of reinforcement elements.
Stal' 21 no.5:471-474 My '61. (MIRA 14:4)

1. Nauchno-issledovatel'skiy institut metiznoy promyshlennosti i Magnitogorskiy kalibrovochnyy zavod.
(Forging) (Phosphate coating)

Ryabchikova, O. A.

18 15 11 4E2C

Phosphatizing and Glass Lubrication of Wire before Drawing. I. M. Goncharov, L. I. Fudin, F. M. Zadyzhenskaya and O. A. Ryabchikova. (*Stal'*, 1957, (5), 464–466).

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RYABCHIKOVA, O. A.

18 18

4E2c

Phosphating and liquid-glass coating of wire before drawing. V. M. Goncharov, L. I. Fudim, E. M. Ladyzhenskaya, and O. A. Ryabchikova. *Stal'* 17, 464-6(1957).—Patented wire was pickled in 6-7% H_2SO_4, washed, phosphate coated at 80° for 2 min. in a bath with 4.7 units of free acid and 80 units of total, washed, limed, and baked. In drawing, the 1st pass was dry, the rest wet. Phosphating in place of Cu plating increased the drawing speed from 280 to 560 m./min. without affecting die life. Replacing lime on Cu-plated wire with a 20-30-sec. immersion in a 2.9% SiO_2-1.38% Na_2O soln. at 30-80° and baking lead to a 15% longer die life in drawing. The silicate cannot replace, however, both Cu plating and liming.

J. D. Gat

GONCHAROV, I.M., inzhener; KUDIM, L.I., inzhener; LADYZHENSKAYA, F.M., inzhener;
RYABCHIKOVA, O.A.

Coating wire with a phosphate and glass fiber film before drawing.
Stal' 17 no.5:464-465 My '57. (MIRA 10:6)

1. Magnitogorskiy kalibrovochnyy zavod.
(Drawing (Metalwork)) (Metal working lubricants)

Ryabchikova, O.A.

AUTHOR: Goncharov, I.M., Fudim, L.I., Ladyshenskaya, F.M. and Ryabchikova, O.A., Engineers. 133-5-21/27

TITLE: Phosphatising and glazing of wire before drawing. (Fosfatirovaniye i osteklenniye provolki pered volocheniyem.)

PERIODICAL: "Stal'" (Steel), 1957, pp. 464-465 No. 5, (U.S.S.R.)

ABSTRACT: Methods of phosphatising and glazing wire before drawing developed in the Magnitogorsk works (Magnitogorskiy Zavod) on the basis of experience of the Molotov Works in Leningrad (LeningradskiyZavod im.Molotova) are described.

ASSOCIATION: Magnitogorsk Calibration Works (Magnitogorskiy Kalibrovochnyy Zavod)

AVAILABLE:

Card 1/1

KHROMOV, P.I.; REVZINA, F.S.; RYABCHIKOVA, O.A.; YEGOROV, V.D.

Use of ropes on excavators with linear contact of the wires in strands. Gor.zhur. no.5:41-42 My '62. (MIRA 16:1)

1. Magnitogorskiy kalibrovochnyy zavod (for Khromov, Revzina, Ryabchikova). 2. Nauchno-issledovatel'skiy institut metiznoy promyshlennosti (for Yegorov).

(Wire rope)

45146

S/076/63/037/002/010/018
B101/B186

24.3500

AUTHORS: Shcheglova, N. A., Shigorin, D. N., Ryabchikova, T. S., Dokunikhin, N. S., Moiseyeva, Z. Z. (Moscow)

TITLE: Study of the luminescence spectra of some anthraquinone carboxylic acid derivatives at low temperatures

PERIODICAL: Zhurnal fizicheskoy khimii, v. 37, no. 2, 1963, 371-377

TEXT: The luminescence spectra of the following compounds were studied in n-hydrocarbon solutions or in the powder: anthraquinone-α-carboxylic acid and its methyl ester, anthraquinone-β-carboxylic acid and its methyl ester, anthraquinone-1,4-dicarboxylic acid and its dimethyl and diethyl esters, 7-chloro-anthraquinone-2-carboxylic acid and its methyl ester, 7-fluoro-anthraquinone-2-carboxylic acid and its methyl ester, 6-fluoro-anthraquinone-2-carboxylic acid and its methyl ester, and 6-chloro-anthraquinone-2-carboxylic acid. Results: The luminescence spectra of the esters and their halogen derivatives at 77°K have a fine vibration structure. The carbonyl of the anthraquinone ring had the highest frequency. The multiplicity of the spectra proved to be highly dependent

Card 1/2

S/076/63/037/002/010/018
B101/B186

Study of the luminescence ...

on the length of the hydrocarbon chain of the solvent (n-hexane, n-heptane, n-octane, n-nonane) which fact can be used in the analysis of these compounds. Each substituent being an auxochrome (F, Cl, COOH, $COOCH_3$) has a specific effect on the spectrum, manifest in line shifts and intensity changes of the major peaks. The luminescence spectra of the powdered halogen derivatives of the acids as well as the esters had no fine structure at 77°K, but a system of narrow bands shifted toward the longwave region. The interdistance between the centers of these bands equals the carbonyl frequency of anthraquinone. In powdered 1,4-anthraquinone dicarboxylic acid, reversible self-extinction of the luminescence was observed. This effect disappeared in dioxane solution. The self-extinction is explained by intermolecular interaction (and photo transfer) of one carboxyl proton with the p electrons of the oxygen in the anthraquinone carbonyl group, which effect electron excitation by $p \rightarrow \pi^*$ transition. This assumption was confirmed by measuring the IR frequency of the carbonyl group. There are 2 figures and 3 tables.

ASSOCIATION: Fiziko-khimicheskiy institut im. L. Ya. Karpova (Physicochemical Institute imeni L. Ya. Karpov)

SUBMITTED: November 16, 1961

Card 2/2

SHIGORIN, D.N.; SKOLDINOV, A.P.; RYABCHIKOVA, T.S.

Determination of the formation energy of a quasiaromatic cycle with an H-bond from molecular infrared spectrum data. Dokl. AN SSSR 149 no.2:341-344 Mr '63. (MIRA 16:3)

1. Fiziko-khimicheskiy institut im. L.Ya.Karpova. Predstavleno akademikom V.A.Karginym.
(Hydrogen bonding) (Molecular spectra)

SHIGORIN, D.N.; SKOLDINOV, A.P.; RYABCHIKOVA, T.S.; GOL'DER, G.A. (Moscow)

Infrared spectra of pseudoaromatic cycles with H-bonding at low temperatures. Zhur.fiz.khim. 38 no.8:1996-2001 Ag '64. (MIRA 18:1)

1. Fiziko-khimicheskiy institut imeni L.Ya.Karpova.

SHAPET'KO, N.N.; SHIGORIN, D.N.; SKOLDINOV, A.P.; RYABCHIKOVA, T.S.; RESHETOVA, L.N.

Chemical shifts of nuclear magnetic resonance of protons of O--H compounds forming an intramolecular hydrogen bond of the O--H...O type. Opt. i spektr. 17 no.3:459-461 S '64. (MIRA 17:10)

RYABCHIKOVA, T.S.

PHASE I BOOK EXPLOITATION SOV/4186

Akademiya nauk SSSR

Stroyeniye veshchestva i spektroskopiya (Structure of Matter
and Spectroscopy) Moscow, Izd-vo AN SSSR, 1960. 113 p.
Errata slip inserted. 2,300 copies printed.

Ed.: K. V. Astakhov, Professor; Tech. Ed.: T. P. Polenova.

PURPOSE: This collection of articles is intended for physicists
and chemists interested in spectroscopic methods of research
on the structure of molecules and related problems.

COVERAGE: The articles contained in this collection were
taken from the editorial files of the Zhurnal fizicheskoy
khimii (Journal of Physical Chemistry) and are concerned
with spectroscopic methods in research on the structure of
molecules, the hydrogen bond, isotopic effects, problems
in magnetochemistry, the structure of aqueous solutions of
electrolytes, and the chemistry of complex compounds. Refer-
ences accompany individual articles.

Pivovarov, V. M., and N. D. Ordyntseva. Features of Spec-
troscopic Manifestation of Hydrogen Bond in n-Nitroaniline
Molecules 20
The authors thank Ya. S. Bobovich and V. S. Neporent for
their interest.

Sheynker, Yu. N., and Ye. M. Peresleni (Khimiko-farmatsevti-
cheskiy institut im. S. Ordzhonikidze (Chemical Pharmaceuti-
cal Institute imeni S. Ordzhonikidze)). Tautomerism of
Certain Derivative Heterocyclic Compounds. XI. The Deutero-
effect at Tautomeric Equilibrium and Spectra of N-Deutro-
acylated Heterocyclic Amines 28

Shigorin, D. N., M. M. Shemyakin, M. N. Kolosov, and T. S.
Ryabchikova (Fiziko-khimicheskiy institut im. L. Ya. Karpova
(Physicochemical Institute imeni L. Ya. Karpov) and Institut
biologicheskoy i meditsinskoy khimii AMN SSSR (Institute of
Biological and Medical Chemistry of the Academy of Medical
Sciences USSR)). Intermolecular Interaction and Oscillation
Spectra of Acetylene Compounds 36

Izmail'skiy, V. A., and V. Ye. Limanov (Moskovskiy pedagogi-
cheskiy institut im. V. P. Potemkina-Moscow Pedagogical In-
stitute im. V. P. Potemkin) Absorption Spectra of Derivatives
of N-(β- (4-Nitrophenyl)-Ethyl)- Aniline 41

Izmail'skiy, V. A., and V. Ye. Limanov (Moskovskiy pedagogi-
cheskiy institut im. V. P. Potemkina (Moscow Pedagogical
Institute imeni V. P. Potemkin)). Absorption Spectra of
Derivatives of N-(β-(2,4-Dinitrophenyl)-Ethyl)-Aniline 53

Rabinovich, I. B. (Gor'kovskiy gosudarstvennyy universitet
im. N. I. Lobachevskiy (Gor'kiy State University imeni
N. I. Lobachevskiy)). Effect of Displacement of Hydrogen by
Deuterium on the Molal Volume of Liquids 62

Card 3/6

10

SHIGORIN, D.N.; SHAPET'KO, N.N.; SKOLDINOV, A.P.; RYABCHIKOVA, T.S.

Nature of the hydrogen bond in systems with π-electrons and its effect on the proton magnetic resonance. Dokl. AN SSSR 148 no.5:1141-1144 F '63. (MIRA 16:3)

1. Fiziko-khimicheskiy institut im. L.Ya.Karpova. Predstavleno akademikom V.A.Karginym.

(Hydrogen bonding)

(Nuclear magnetic resonance and relaxation)

SHCHEGLOVA, N.A.; SHIGORIN, D.N.; RYABCHIKOVA, T.S.; DOKUNIKHIN, N.S.;
MOISEYEVA, Z.Z. (Moscow)

Luminescence spectra of some derivatives of anthraquinonecarboxylic acids at low temperatures. Zhur.fiz.khim. 37 no.2:371-377 F '63. (MIRA 16:5)

1. Fiziko-khimicheskiy institut imeni L.Ya.Karpova.
(Antraquinonecarboxylic acid—Spectra)

SHAPET'KO, N.N.; SHIGORIN, D.N.; SKOLDINOV, A.P.; RYABCHIKOVA, T.S.;
RESHETOVA, L.N.

Chemical shifts of nuclear magnetic resonance of protons and infrared frequencies of compounds with strong intramolecular hydrogen bond of the type O - H...O. Zhur. strukt. khim. 6 no.1:155-157 Ja-F '65. (MIRA 18:12)

1. Fiziko-khimicheskiy institut imeni L.Ya.Karpova. Submitted August 10, 1964.

RYABCHIKOVA, V. P.

F

USSR / Microbiology. Microbes Pathogenic for Man and Animals. Bacteria. Anaerobic Bacilli.

Abs Jour	: Ref Zhur - Biologiya, No 6, 1959, No. 24094
Author	: Ryabchikova, V. P.
Inst	: L'vov Scientific Research Institute of Epidemiology, Microbiology and Hygiene
Title	: On the Action of Penicillin in Experimental Gas Infection Induced by Bac. sporogenes
Orig Pub	: Sb. nauchn. rabot. L'vovsk. n.-i. in-t epidemiol., mikrobiol. i gigiyeny, 1957, vyp 2, 185-187
Abstract	: Mice were infected with Bac. sporogenes, strain Weinberg, Staph. aureus strain No. 209 and their combinations. Triple introduction of 500 units of penicillin sharply decreased the percentage of death of

Card 1/2

USSR / Microbiology. Hygienic Microbiology. F-4

Abs Jour : Ref Zhur - Biol., No 20, 1958, No. 90849

Author : Segal', M. S.; Razumeyev, P. A.; Ryabchikova, V. P.
Inst : Not given
Title : Homemade Preserves as a Source of Botulism

Orig Pub : V sb.: Anaerobnyye infektsii. Kiyev, Gosmedizdat USSR, 1957, 145-147

Abstract : Three cases of poisoning are described in individuals with clinical symptoms of botulism after having partekane of homemade preserves prepared from pork which had been sealed under antiseptic conditions. The meat was boiled with the seasonings, cut into small pieces, and placed in a jar along with tomatoes, and pork fat was poured over the top. The unsanitary part of the procedure involving the carcass of the pig could have favored its contamination with spores of the botulinus bacillus, and the sealing with

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USSR / Microbiology. Microorganisms Pathogenic to Humans and Animals. F-5

Abs Jour : Ref Zhur - Biol., No 20, 1958, No. 90962

Author : Ryabchikova, V. P.
Inst : Not given
Title : Significance of Bacillus sporogenes in an Experimental Gaseous Infection

Orig Pub : V sb.: Anaerobnyye infektsii, Kiyev, Gosmedizdat USSR, 1957, 13-19

Abstract : A study was made of the influence of anemia, necrosis, and putrefaction of the tissues and the role of non-pathogenic strains of C. perfringens and staphylococci with the subcutaneous injection of mice with C. sporogenes (15 milliard microbial cells of avirulent strains). In the presence of additional irritants or association of two potentially pathogenic microbial types (Cl. sporogenes and

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RYABCHINKOV, Aleksey Vasil'yevich; VELEMITSINA, Valeriya Ivanovna;
VISHENKOV, S.A., kand. tekhn.nauk, retsenzent

[Hardening and protection of parts against corrosion by the chemical nickel coating method] Uprochnenie i zashchita ot korrozii detalei metodom khimicheskogo nikelirovaniia. Moskva, Mashinostroenie, 1965. 127 p. (MIRA 18:12)

RYABCHINSKIY, A. Ye.

Results of observations on oak plantations of various geographic origin in Bashkiria. Trudy Inst. biol. UFAN SSSR no. 43:293-295 '65 (MIRA 19:1)

1. Bashkirskaya lesnaya opytnaya stantsiya Vsesoyuznogo nauchno-issledovatel'skogo instituta lesovodstva i mekhanizatsii lesnogo khozyaystva.

RYABCHINSKIY, N.

Chain-lift hoisting machine. Myas.ind.SSSR 35 no.1:41 '64.
(MIRA 17:4)

1. Chernovitskiy myasokombinat.

BRODSKIY, N.; RYABCHINSKIY, N.

Oven for baking meat pies. Mias. ind. SSSR 32 no.3:51 '61. (MIRA 14:7)

1. Chernovitskiy myasokombinat.
(Meat) (Ovens)

RYABCHINSKIY, N.

Interfactory school of sausage manufacture. Mias.ind. SSSR 33 [i.e.34] no.2:57 '63. (MIRA 16:4)

1. Chernovitskiy myasokombinat.
(Meat industry—Study and teaching)

RYABCHINSKIY, N.I.

Attachment for grinding parts with a large radius. Mashinostroitel' no.4:28 Ap'64 (MIRA 17:7)

RYABCHINSKIY, P. G., MARKIN, I. A.

Peat Industry

Complete mechanization of cut-peat production at the enterprise Pal'tso. Mech. trud. rab. 6, No. 2, 1952.

Monthly List of Russian Accessions, Library of Congress, June 1952, Unclassified.

Fuel Abstracts

Natural Solid Fuels-A

3106. COMPLEX MECHANIZATION OF PEAT CUTTING BY PALETS (PAL'TISO) UNDERTAKING. Ryabchinskii, P.G. and Martin, I.S. (Mekhanizatsiya Trud. i Tyazhel. Rabot (Mechanization of Arduous Work), Feb. 1952, 33-35).